

Fig. 1A

SUS1	SEQ ID NO: 42	ENGIL <u>RKWI</u> SRFDVWPYI	native
SUS2	SEQ ID NO: 3	ENGIV <u>RKWI</u> SRFEVWPYI	native
SS2	SEQ ID NO: 10	GIV <u>RKWI</u> SRFEVWPYI	active
SS11	SEQ ID NO: 11	I <u>LRVPFRTE</u> NGIV <u>RKWI</u> _(NH2)	inactive
SS12	SEQ ID NO: 12	GIV <u>RKWI</u> SRFEVWPYI	active
SS15	SEQ ID NO: 13	GIV <u>RKAI</u> SRFEVAPYL	less active
SS16	SEQ ID NO: 14	SRFEVWPYI	less active
SP3	SEQ ID NO: 18	^N R <u>RISSVE</u> ^N ^N D <u>KK</u> _(NH2)	inactive
NR11	SEQ ID NO: 15	GPTLK <u>R</u> FASTAFMNTTS <u>KK</u>	inactive
SP26	SEQ ID NO: 16	GRM <u>RR</u> ATVEMM <u>KK</u>	inactive
SS1	SEQ ID NO: 9	GDRVLSRLHSVVRERIGK	inactive
ACTIN	SEQ ID NO: 19	EH <u>GIVTNWDDMEKIWHHTFY</u>	consensus

Double basic cluster: black box; e.g. **KK**

Possible region of specificity: underlined or boxed

Substitutions: bold

Fig. 1B

EN	GIVRK	WI	SRFEVW	PYL	KK
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X_4 X_3 X_2 X_1 X_5 X_6

SEQ ID NO.		SEQUENCE
SEQ ID NO:22	X_1	SRFEVW
SEQ ID NO:17	X_2-X_1	WI SRFEVW
SEQ ID NO:14	X_1-X_5	SRFEVW PYL
SEQ ID NO:23	$X_2-X_1-X_5-X_6$	WI SRFEVW PYL KK
SEQ ID NO:12	$X_3-X_2-X_1-X_5$	GIVRK WISRFEVW PYL
SEQ ID NO:10	$X_3-X_2-X_1-X_5-X_6$	GIVRK WISRFEVW PYL KK
SEQ ID NO:24	$X_4-X_3-X_2-X_1-X_5-X_6$	ENGIVRK WISRFEVW PYL KK